

IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A control system, comprising:

means ~~[[IR2]]~~ for setting up a short distance second data transmission connection ~~[[CH2]]~~ to a wireless communication device ~~[[MS]]~~ when ~~[[it]]~~ said wireless communication device is within said short distance, the second data transmission connection being arranged for transmitting at least an identification message ~~(MSG1)~~ to said wireless communication device, the identification message containing data ~~[[ID1]]~~ for identifying said control system ~~[[SS]]~~,

means ~~(RF2, TE2)~~ for receiving a control message as a response to said identification message via a communication channel ~~(CC1, CC2, CC3)~~ from a mobile communication network ~~(PLMN)~~, ~~[[which]]~~ wherein said mobile communication network is arranged to set up a wireless first data transmission connection ~~[[CH1]]~~ to said wireless communication device for the transmission of said control message, and ~~[[which]]~~ wherein said mobile communication network ~~[[also]]~~ comprises authentication means ~~[[AC]]~~ for identifying said wireless communication device and allowing or preventing the transmission of said control message, and

processing means ~~(CTRL2)~~ at least for interpreting ~~[[a]]~~ said control message ~~(MSG2)~~ transmitted from said wireless communication device and received via a communication channel from said mobile communication network, the control message comprising at least data ~~[[CMD]]~~ for controlling the control system in a desired manner.

2. (currently amended) The control system according to claim 1, wherein the authentication means ~~[[AC]]~~ are also arranged for adding data ~~[[ID2]]~~ identifying the wireless communication device ~~[[MS]]~~ in the control message ~~(MSG2)~~.

3. (currently amended) The control system according to claim 1, wherein the control message ~~(MSG2)~~ contains at least the telephone number of the wireless communication device ~~[(MS)]~~ that sent said control message, to identify said wireless communication device.
4. (currently amended) The control system according to claim 1, wherein the control message ~~(MSG2)~~ contains at least data ~~[(ID1)]~~ for identifying the control system for the transmission of the control message.
5. (currently amended) The control system according to claim 1, ~~wherein it also comprises~~ further comprising memory means ~~[(DB2)]~~ for storing at least one acceptable key code ~~(KC1, KC2)~~, and wherein, ~~[(that)]~~ in case the received control message ~~(MSG2)~~ also contains a key code ~~[(KC0)]~~, the processing means ~~(CTRL2)~~ are arranged to compare the key code of the control message with said at least one acceptable key code, to allow or prevent the control.
6. (currently amended) The control system according to claim 1, further comprising memory means ~~[(DB2)]~~ for storing at least one acceptable key code ~~(KC1, KC2)~~, wherein, as a ~~result~~ response to the control message ~~(MSG2)~~, the processing means ~~(CTRL2)~~ are arranged to transmit an acknowledgement message ~~(MSG4)~~ via a communication channel ~~(CC1, CC2, CC3)~~ to the mobile communication network to be transmitted to the wireless communication device ~~[(MS)]~~, the acknowledgement message comprising data ~~(KC1, KC2)~~ on said at least one acceptable key code to be supplemented with a new control message ~~(MSG2)~~ to be transmitted from said wireless communication device, and wherein said new control message is arranged to be received via ~~[[a]]~~ said second data transmission connection ~~[(CH2)]~~.
7. (currently amended) The control system according to claim 1, wherein said means are ~~[[also]]~~ arranged to receive a key message ~~(MSG3)~~ transmitted from a server ~~[(SRV)]~~ via a communication channel ~~(CC1, CC2, CC3)~~, the key message containing data ~~(KC1, KC2)~~ on an acceptable key code for ~~[[their]]~~ its storage in the control system ~~[(SS)]~~ for comparison.

8. (currently amended) The control system according to claim 1, wherein ~~[[the]]~~ a key message (~~MSG3~~) is arranged to be transmitted from a server (~~SRV~~) via ~~[[a]]~~ the mobile communication network (~~PLMN~~) to a wireless communication device ~~[[MS]]~~, the key message containing data (~~KC1, KC2~~) on an acceptable key code for storing ~~[[them]]~~ it in said wireless communication device and adding ~~[[them]]~~ it in the control message (~~MSG2~~) transmitted by said wireless communication device.

9. (currently amended) The control system according to claim 5, wherein the key code ~~[[KC0]]~~ contains at least data ~~[[ID2]]~~ identifying the wireless communication device ~~[[MS]]~~ that transmitted the control message (~~MSG2~~).

10. (currently amended) The control system according to claim 5, wherein the key code ~~[[KC0]]~~ contains at least the telephone number of the wireless communication device ~~[[MS]]~~ that transmitted the control message (~~MSG2~~).

11. (currently amended) The control system according to claim 1 further comprising control means ~~[[LS]]~~ for controlling the operation of the control system on the basis of the control message.

12. (currently amended) The control system according to claim 1, wherein for setting up a communication channel (~~CC1, CC2, CC3~~) to the mobile communication network, the control system ~~[[SS]]~~ further comprises means ~~[[RF2]]~~ for setting up a wireless third data transmission connection ~~[[CH3]]~~ to the mobile communication network (~~PLMN~~).

13. (currently amended) The control system according to claim 1, wherein at least ~~[[part]]~~ some of the messages (~~MSG2, MSG3, MSG4~~) are ~~[[short]]~~ SMS messages to be transmitted in the mobile communication network (~~PLMN~~).

14. (currently amended) A wireless communication device for controlling a control system, comprising:

means ~~[[RF1]]~~ for setting up a wireless first data transmission connection ~~[[CH1]]~~ to a mobile communication network (~~PLMN~~), the wireless first data transmission connection being arranged for transmitting and receiving messages,

means ~~[[IR1]]~~ for setting up a short distance wireless second data transmission connection ~~[[CH2]]~~, the second data transmission connection being arranged at least for receiving messages, ~~[[and]]~~

control means (~~CTRL1~~) for generating messages to be transmitted and for interpreting received messages, and

memory means ~~[[SIM]]~~ for storing the messages,

wherein said means are arranged for receiving an identification message (~~MSG1~~) via the second data transmission connection from the control system ~~[[SS]]~~ when ~~[[it]]~~ the control system is within said short distance, the identification message containing data ~~[[ID1]]~~ for identifying said control system ~~[[SS]]~~, and

wherein said means are arranged for transmitting a control message (~~MSG2~~) as a response to said identification message via the wireless first data transmission connection to said control system, the control message containing data ~~[[CMD]]~~ for controlling said control system in a desired manner, and

wherein said mobile communication network ~~[[also]]~~ comprises authentication means ~~[[AC]]~~ for identifying said wireless communication device and allowing or preventing the transmission of the control message.

15. (currently amended) The wireless communication device according to claim 14, wherein said means are also arranged for receiving a key message (~~MSG3~~) via the mobile communication network (~~PLMN~~), the key message containing data (~~KC1, KC2~~) on an acceptable key ~~[[codes]]~~ code for adding ~~[[them]]~~ it in the control message (~~MSG2~~) transmitted by the wireless communication device, and ~~[[that]]~~ wherein said memory ~~means (SIM)~~ are arranged for storing said acceptable key ~~[[codes]]~~ code.

16. (currently amended) A control system, comprising:

means ~~[[IR2]]~~ for setting up a short distance wireless second data transmission connection ~~[[CH2]]~~ to a wireless communication device ~~[[MS]]~~ when ~~[[it]]~~ said wireless communication device is within said short distance, the wireless second data transmission connection being arranged at least for receiving a control message (~~MSG2~~), the control message containing at least data ~~[[CMD]]~~ for controlling the control system in a desired manner, ~~and~~

means for receiving messages via a communication channel from a mobile communication network which is arranged for setting up a wireless first data transmission connection to said wireless communication device for the transmission of said messages,

processing means (~~CTRL2~~) for interpreting the control message transmitted from said wireless communication device and received via the wireless second data transmission connection,

wherein, as a response to said control message, the processing means are arranged to transmit an acknowledgement message via a communication channel to the mobile communication network and to the wireless communication device, the acknowledgement message containing data on an acceptable key code to be added to a new control message to be transmitted from said wireless communication device, and

wherein said new control message is arranged to be received via the wireless second data transmission connection.

17. (currently amended) The control system according to claim 16, ~~further comprising means (RF2, TE2) for receiving messages via a communication channel (CC1, CC2, CC3) from a mobile communication network (PLMN) which is arranged for setting up a wireless first data transmission connection (CH1) to said communication device for the transmission of messages, and that~~ wherein the processing means (~~CTRL2~~) are also arranged for interpreting ~~[[the]]~~ a control message (~~MSG2~~) received via the communication channel from the mobile communication network.

18. (currently amended) The control system according to claim 17, wherein said mobile communication network further comprises authentication means $[(AC)]$ for identifying said wireless communication device $[(MS)]$ and for allowing or preventing the transmission of the control message, and $[(that)]$ wherein the authentication means $[(AC)]$ are also arranged for adding data $[(ID2)]$ identifying said wireless communication device $[(MS)]$ into the control message $(MSG2)$ to be transmitted.

19. (currently amended) The control system according to claim 16, wherein the control message $(MSG2)$ contains at least the telephone number of the $[(mobile)]$ wireless communication device $[(MS)]$ that transmitted the control message, to identify said wireless communication device.

20. (currently amended) The control system according to claim 16, further comprising memory means $[(DB2)]$ for storing at least one acceptable key code $(KC1, KC2)$, and wherein, $[(that)]$ in case the received control message $(MSG2)$ also contains a key code $(KC0)$, the processing means $(CTRL2)$ are arranged to compare the key code of the $[(key)]$ received control message with $[(the)]$ said at least one acceptable key $[(codes)]$ code, to allow or prevent the control.

21. (currently amended) The control system according to claim 17, further comprising $[:]$ memory means $[(DB2)]$ for storing at least one acceptable key code $(KC1, KC2)$,
~~as a result to the control message $(MSG2)$, the processing means $(CTRL2)$ are arranged to transmit an acknowledgement message $(MSG4)$ via a communication channel $(CC1, CC2, CC3)$ to the communication device (MS) , the message containing data $(KC1, KC2)$ on acceptable key codes to be added to a new control message $(MSG2)$ to be transmitted from said communication device, and said new control message is arranged to be received via the second data transmission connection $(CH2)$.~~

22. (currently amended) The control system according to claim 17, wherein said means are arranged also for receiving a key message $(MSG2)$ transmitted from a server $[(SRV)]$ via a

communication channel (~~CC1, CC2, CC3~~), the key message containing data (~~KC1, KC2~~) on an acceptable key code for storing ~~[[them]]~~ it in the control system ~~[[SS]]~~ for comparison.

23. (currently amended) The control system according to claim 17, wherein ~~[[the]]~~ a key message (~~MSG3~~) is arranged to be transmitted from a server ~~[[SRV]]~~ via ~~[[a]]~~ the mobile communication network (~~PLMN~~) to the wireless communication device ~~[[MS]]~~, the key message containing data (~~KC1, KC2~~) on an acceptable key code for storing ~~[[them]]~~ it in said wireless communication device, ~~and the mobile communication network being arranged for setting up a first data transmission connection (CH1) to said communication device for the transmission of messages.~~

24. (currently amended) The control system according to claim 22, wherein the server ~~[[SRV]]~~ further comprises memory means ~~[[DB1]]~~ for storing the acceptable key code ~~codes~~ (~~KC1, KC2~~), for storing data ~~[[ID1]]~~ identifying the security control system to be controlled by ~~[[each]]~~ the acceptable key code, and for storing data ~~[[ID2]]~~ identifying the wireless communication device ~~[[MS]]~~ entitled to the acceptable key code.

25. (currently amended) The control system according to claim 17, wherein, as a response to the control message (~~MSG2~~) transmitted by the wireless communication device ~~[[MS]]~~, the processing means (~~CTRL2~~) are arranged to transmit a message to said wireless communication device regarding the transmission of a new control message (~~MSG2~~) via the wireless second data transmission connection ~~[[CH2]]~~, the new control message containing at least an acceptable password.

26. (currently amended) The control system according to claim 17,
wherein, as a response to the control message (~~MSG2~~), the processing means (~~CTRL2~~) are arranged to transmit a key message (~~MSG3~~) via the mobile communication network (~~PLMN~~) to the wireless communication device ~~[[MS]]~~, the key message containing data (~~KC1, KC2~~) on

an acceptable key code to be added to a new control message (~~MSG2~~) to be transmitted from said wireless communication device, and

wherein said new control message is arranged to be received via the wireless second data transmission connection ~~[[CH2]]~~.

27. (currently amended) The control system according to claim 17, wherein, as a response to the control message (~~MSG2~~) transmitted by the wireless communication device ~~[[MS]]~~, the control system ~~[[SS]]~~ is arranged to transmit a key message (~~MSG3~~) via the mobile communication network (~~PLMN~~) to another wireless communication device ~~[[MS]]~~, the key message containing data (~~KC1, KC2~~) on an acceptable key code.

28. (currently amended) The control system according to claim 20, wherein the key code ~~[[KC0]]~~ contains at least data ~~[[ID2]]~~ identifying the wireless communication device ~~[[MS]]~~ that transmitted the control message (~~MSG2~~).

29. (currently amended) The control system according to claim 20, wherein the key code ~~[[KC0]]~~ contains at least the telephone number of the wireless communication device ~~[[MS]]~~ that transmitted the control message (~~MSG2~~).

30. (currently amended) The control system according to claim 16, further comprising control means ~~[[LS]]~~ for controlling the operation of the control system on the basis of the control message.

31. (currently amended) A wireless communication device for controlling a control system, comprising:

means ~~[[RF1]]~~ for setting up a wireless first data transmission connection ~~[[CH1]]~~ to a mobile communication network (~~PLMN~~), the wireless first data transmission connection being arranged for the transmission and reception of messages,

means ~~[[IR1]]~~ for setting up a short distance wireless second data transmission connection ~~[[CH2]]~~ which is arranged at least for receiving messages, ~~[[and]]~~

control means ~~(CTRL1)~~ for generating messages to be transmitted and for interpreting received messages, and

memory means ~~[[SIM]]~~ for storing messages,

wherein said means are arranged for transmitting a control message ~~(MSG1)~~ via the second data transmission connection to the control system ~~[[SS]]~~ when ~~[[it]]~~ the control system is within said short distance, the control message containing data ~~[[CMD]]~~ for controlling said control system in a desired manner, and

wherein said means are also arranged for receiving, as a response to said control message, a key message via the mobile communication network, the key message containing data on an acceptable key code for adding the key code to a new control message to be transmitted by the wireless communication device via the second data transmission connection to the control system.

32. (currently amended) The wireless communication device according to claim 31, ~~wherein said means are also arranged for receiving a key message (MSG3) via the mobile communication network (PLMN), the message containing data (KC1, KC2) on acceptable key codes for adding them to a control message (MSG2) transmitted by the communication device, and that~~ wherein said memory means ~~[[SIM]]~~ are arranged for storing said acceptable key ~~[[codes]]~~ code.

33. (currently amended) The wireless communication device according to claim 31, wherein said means are also arranged for transmitting a key messages (MSG3) message via the mobile communication network ~~(PLMN)~~ to another wireless communication device ~~[[MS]]~~, the key message containing data ~~(KC1, KC2)~~ on an acceptable key ~~[[codes]]~~ code.

34. (currently amended) The wireless communication device according to claim 32, wherein said means are also arranged for transmitting a key message (MSG3) via the mobile

communication network (~~PLMN~~) to another wireless communication device ~~[[MS]]~~, the key message containing data (~~KC1, KC2~~) on an acceptable key code.

35. (currently amended) The control system according to claim 2, wherein the control message (~~MSG2~~) contains at least the telephone number of the wireless communication device ~~[[MS]]~~ that sent said control message, to identify said wireless communication device.

36. (currently amended) The control system according to claim 5, wherein said means are ~~[[also]]~~ arranged to receive a key message ~~messages (MSG3)~~ transmitted from a server ~~[[SRV]]~~ via a communication channel (~~CC1, CC2, CC3~~), the key message containing data (~~KC1, KC2~~) on an acceptable key code for ~~[[their]]~~ its storage in the control system ~~[[SS]]~~ for comparison.

37. (currently amended) The control system according to claim 6, wherein said means are ~~[[also]]~~ arranged to receive a key message ~~messages (MSG3)~~ message transmitted from a server ~~[[SRV]]~~ via a communication channel (~~CC1, CC2, CC3~~), the key message containing data (~~KC1, KC2~~) on an acceptable key code for ~~[[their]]~~ its storage in the control system ~~[[SS]]~~ for comparison.

38. (currently amended) The control system according to claim 6 ~~[[8]]~~, wherein ~~[[the]]~~ a key message (~~MSG3~~) is arranged to be transmitted from a server ~~[[SRV]]~~ via ~~[[a]]~~ the mobile communication network (~~PLMN~~) to a wireless communication device ~~[[MS]]~~, the key message containing data (~~KC1, KC2~~) on an acceptable key code for storing ~~[[them]]~~ it in said wireless communication device and adding ~~[[them]]~~ it in the control message (~~MSG2~~) transmitted by said wireless communication device.

39. (currently amended) The control system according to claim 36, wherein ~~[[the]]~~ a key message (~~MSG3~~) is arranged to be transmitted from a server ~~[[SRV]]~~ via ~~[[a]]~~ the mobile communication network (~~PLMN~~) to a wireless communication device ~~[[MS]]~~, the key message

containing data (~~KC1, KC2~~) on an acceptable key code for storing [[them]] it in said wireless communication device and adding [[them]] it in the control message (~~MSG2~~) transmitted by said wireless communication device.

40. (currently amended) The control system according to claim 37, wherein [[the]] a key message (~~MSG3~~) is arranged to be transmitted from a server [[SRV]] via [[a]] the mobile communication network (~~PLMN~~) to a wireless communication device [[MS]], the key message containing data (~~KC1, KC2~~) on an acceptable key [[codes]] code for storing [[them]] it in said wireless communication device and adding [[them]] it in the control message (~~MSG2~~) transmitted by said wireless communication device.

41. (currently amended) The control system according to claim 8, wherein at least [[part]] some of the messages (~~MSG2, MSG3, MSG4~~) are [[short]] SMS messages to be transmitted in the mobile communication network (~~PLMN~~).

42. (currently amended) The control system according to claim 18, wherein the control message (~~MSG2~~) contains at least the telephone number of the ~~mobile~~ wireless communication device [[MS]] that transmitted the control message, to identify said wireless communication device.

43. (currently amended) The control system according to claim 22, wherein [[the]] a key message (~~MSG3~~) is arranged to be transmitted from [[a]] the server [[SRV]] via [[a]] the mobile communication network (~~PLMN~~) to the wireless communication device [[MS]], the key message containing data (~~KC1, KC2~~) on the acceptable key code for storing [[them]] it in said wireless communication device, ~~and the mobile communication network being arranged for setting up a first data transmission connection (CH1) to said communication device for the transmission of messages.~~

44. (currently amended) The control system according to claim 23, wherein the server ~~[[SRV]]~~ further comprises memory means ~~[[DB1]]~~ for storing the acceptable key ~~codes~~ ~~(KC1, KC2)~~ code, for storing data ~~[[ID1]]~~ identifying the ~~security~~ control system to be controlled by ~~[[each]]~~ the acceptable key code, and for storing data ~~[[ID2]]~~ identifying the wireless communication device ~~[[MS]]~~ entitled to the acceptable key code.

45. (currently amended) The control system according to claim 28, wherein the key code ~~[[KC0]]~~ contains at least the telephone number of the wireless communication device ~~[[MS]]~~ that transmitted the control message ~~(MSG2)~~.